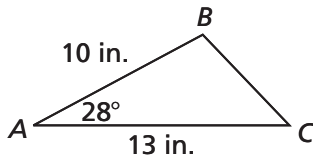


Additional Practice

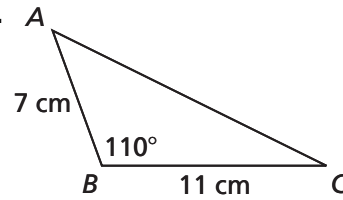
Lessons 6.8 and 6.9

Find all the missing side lengths and angle measures for each triangle.

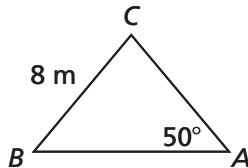
1.



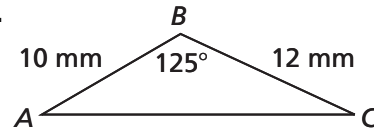
2.



3.



4.

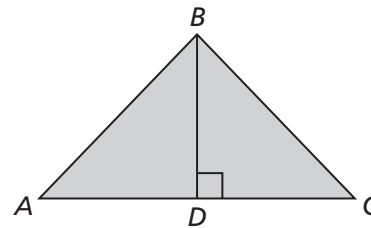


Use the figure and the given information to find the missing side lengths and angle measures of $\triangle ABC$.

5. The area of $\triangle ABC$ is exactly 33 in.^2 , $AD = 6 \text{ in.}$, and $DC = 9 \text{ in.}$

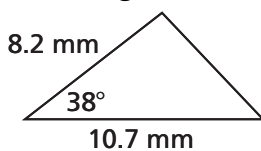
6. The area of $\triangle ABC$ is exactly 64 m^2 , $AC = 16 \text{ m}$, and $BD = 6 \text{ m}$.

7. The area of $\triangle ABC$ is exactly 72 cm^2 , $BD = 12 \text{ cm}$, and $m\angle A = 70^\circ$.

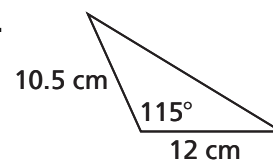


Find the length of the third side.

8.

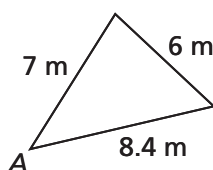


9.

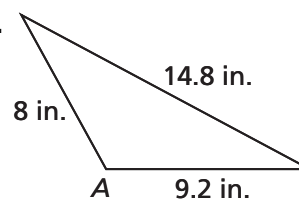


Find the measure of $\angle A$.

10.



11.



Find the area of the triangle.

12.



13.

